

Faculty Information

Brief Profile of Faculty

Name: Dr. Chand Pasha

M.Sc ;Ph.D,

Assistant Professor,

Head Dept of Microbiology,

Coordinator Departments of Genetics and Biotechnology

Nizam College, Osmania University, Hyderabad.



Dr Chand Pasha, born in March 1975, hailing from Nizamabad district of Telangana State. Completed Master's and Doctoral degree in Microbiology from Osmania university. Dr. Chand Pasha is involved in protein engineering in UGC,DST, TIFAC and DBT projects. Constructed inhouse vector for yeast surface display of proteins. Three cellulases (endocellulase, Cellobiohydrolase. Beta-glucosidase) were engineered & cloned in developed vector under Gal promoter and maximum surface display was achieved.

Completed PhD in the area of Yeast molecular biology. During this period evaluated the molecular mechanism of thermal stress tolerance, developed high cellulase producing fungal strain, and pentose utilizing fusant yeast strain for ethanol production also developed a economically viable laboratory process for ethanol production. At Nizam College organized one day conference on "Recent Trends in Applied Microbiology" on 27th October 2007 and initiated "Louis Pasteur Microbiology Research Award" to encourage young students to select research as career. His areas of research include genetic and protein engineering, yeast surface display for therapeutic proteins and bioethanol production. Current work include biofuels using lignocellulosics, therapeutic peptides for skin whitening, Analgesic, Contraceptive, anti aging and antimicrobial small peptides. He has undergone training in IPR, Bioinformatics and Multimedia.

He is a Life member of Indian Science Congress Association, Association of Microbiologists of India and Biotech Research Society of India.. Working as editor to Inter Journal Medicine and Medical Sciences,Research in Pharmaceutical Biotechnology (RPB),Journal of Medicinal Plants Research, Journal of Food and African Journal of Biotechnology.

Faculty Information

Detailed CV



1. Personal Details

Name of the faculty	DR.CHAND PASHA
Gender	MALE
Department	MICROBIOLOGY
PAN	AHXPC4532D
Designation	ASSISTANT PROFESSOR and HEAD
Qualification	M.Sc,Ph.D
Date of Joining (Submit Appointment Letter)	15-05-2007
Date of Birth	14-03-1975
Category	BC-E
Mobile Number	9441031626
E-Mail Id	cpasha21@gmail.com
Address	H.NO:-8-3-169/216/2 H.F NAGAR BORABONDA, HYDERABAD TS 18

2. Academic details:

Degree	Qualification	Month and Year of Passing	Division	% of Marks	Univ/Board/ Institution with State
PG (M.A./M.Com/ M.Sc/M.Tech/ MBA/ MCA/Any other)	M.Sc MICROBIOLOGY	2002	First	62.50%	Osmania University
CSIR/UGC-NET /SELT/Any other	CSIR/UGC-NET	August 2002 June	LECTURERSHIP LECTURERSHIP	-	CSIR/UGC
Any other	DIPLOMA IN PATENT LAW	2009	First	61.25%	NALSAR UNIVERSITY
Any other	DIPLOMA IN PATENT LAW	2010			WIPO World Intellectual Property
Research details	Title of Thesis			Month and Year of award	Univ/Board/ Institution with State
M.Phil					
PhD in MICROBIOLOGY	•Evaluation of Molecular mechanism of Thermotolerance in <i>Saccharomyces cerevisiae</i> ; Ethanol production using Lignocellulosic Substrates”			2007	Osmania University

Post Doctorial/ D.Sc./D.Litt.			
Any other			
*Please provide the scanned copies of certificates			

3. Teaching Experience: Total: 11 yrs UG: 7 yrs PG: 4 yrs

4. Academic Promotions:

Designation	Month and Year of Promotion
Associate Professor	
Professor	
* Please provide order copies	

5. Resource persons: 1

Guest Lectures/ Extension Lectures	No. of Lectures	Name of Program	Organization / Institution	Date and Year
Orientation programs	>50	NCSC	TSCOST	2016 & 2017
Science promotion	1	Live TV program	SCERT	2017
https://www.youtube.com/watch?v=VnH9jL4ixF8				
* Please provide the certificates or letter of invitation				

6. Carrier Development Programs: Orientation Course/ Refresher courses/Short Term Course/Faculty Development Programme

Course attended	Institution /University	Title of the Professional Development Programme	Duration	
			From	To
Orientation Program	Osmania University, Hyderabad	Orientation Course	25-6-2008	27-07-2008
REFRESHER COURSE	University of Hyderabad	"Life sciences"	8-12-2011	28-12-2011
Orientation Program	OUSIP, Osmania University, Hyderabad	Orientation Course	12-6-2008	22-06-2008
* Please provide the certificates				

7. Research Details:

Research Experience (No. of years):	16
Area of research :	Molecular Biology
Supervisor for M.Phil/Ph.D (Guideship Letter)	PhD
No of students working/Registered	Ph.D: F: M:
No. of students with fellowship (JRF)	M: F: Total:
No. of students with fellowship (SRF)	M: F: Total:
No. of students with fellowship (Project fellow)	M: F: Total:
No. of students with any other fellowship	M: F: Total:
No of students working for M.Phil.	M: F: Total:

No of students working as Post.docs.	M:	F:	Total:
No of students working as RA	M:	F:	Total:
No. of M.Phil/Ph.D. Produced	Ph.D:	M.Phil:	
	M:	F:	Total:
Name of Students awarded. M.Phil/Ph.D	Title of Thesis	Month and Year of Registration	Month and Year of Award
1.			
2.			
* Please provide the list of students registered, along with their category and fellowship details			

National: 06

8.1 List of publications(## If possible use MS-Excel file which is attached as separate file) Excel sheet attached

[illegible]

9. List of Publication in Conference proceedings:

SNo	Title of Paper	Name of Conference	Name of the Publisher	Month and Year of Publication	ISBN No.	State/National /International	Affiliated institute at the time of publication
1	In Silico Protein Engineered of Pexiganan;	International conference on Biotechnology and Bioengineering-Trends		2017	978-93-85518-10-2	National	Dept of Microbiology, Nizam College
2	Novel Kit For Rapid Detection Of Microbial Load Of Various Clinical Samples,	India International Science Festival	IISF, IIT Delhi	2015	-	National	Dept of Microbiology, Nizam College
2							
* please provide the PDF or scanned copy of the articles along with ISBN no. and DOI							

10. List of Books Published:

S.No	Title of Book/Chapter	Edited/ Authored	Name of the Publisher	Month and Year of Publication	ISBN No.	State/National /International	Affiliated institute at the time of publication
1	Text book of General Microbiology-I with Practicals, Telangana CBCS BSc Semester-I	Edited and Authored	Kedarnath Ramnath Publishers, Meerut	2018	8193438116	National	Dept of Microbiology Nizam College, OU
2	Text book of General Microbiology-II with Practicals, Telangana CBCS BSc Semester-II	Edited and Authored	Kedarnath Ramnath Publishers, Meerut	2018	9387007006	National	Dept of Microbiology Nizam College, OU
3	Text book of Microbiology(Microbial	Edited and Authored	Kedarnath Ramnath	2018	8193438108	National	Dept of Microbiology Nizam

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11. Member on editorial board or referee for national/international Nil

S.No.	Name of the Journal	Status on the editorial Board	ISSN Number	Periodicity of Publication	Month and Year of Inception of Journal	Impact factor
1						
2						
* Please provide the certificates or e-Copy of letter from editor or editorial board						

12. No. of Papers Presented in Conference/workshop/seminars: (Oral/Poster)

SNo	Title of the paper	Name of Conference/workshop/ Seminars	Oral/Poster	Organized by	Date and year	State/National /International	Oral/Poster
1	"Novel mouth-Nanoparticles"	104 th Indian Science Congress	Oral	S.VUniversity, Tirupati	January 3 rd to 7 th 2017	National	Oral
2.	Analytical kit for rapid determination of microbial load in various samples.	103 rd ISC-Indian Science Congress.	Oral	University of Mysore	Jan 3-7,2016	National	Oral
3.	Fast Determination of microbial	103 rd ISC-Indian Science Congress.	Poster	University of Mysore	Jan 3-7,2016	National	Poster

	load in mouth.						
4.	Biodegradation of Plastic.	103 rd ISC-Indian Science Congress.	Poster	University of Mysore	Jan 3-7,2016	National	Poster
5.	Microbial water Purification.	103 rd ISC-Indian Science Congress.	Poster	University of Mysore	Jan 3-7,2016	National	Poster
6.	Antimicrobial activity of plants collected from Ananthagiri hills	103 rd ISC-Indian Science Congress.	Poster	University of Mysore	Jan 3-7,2016	National	Poster
7.	Low cost N95 mask for swine flu.	103 rd ISC-Indian Science Congress.	Poster	University of Mysore	Jan 3-7,2016	National	Poster
8.	Biodiversity of Microbes in Paddy fields.	103 rd ISC-Indian Science Congress.	Poster	University of Mysore	Jan 3-7,2016	National	Poster
9.	Novel and cheaper colorimeter	103 rd ISC-Indian Science Congress.	Poster	University of Mysore	Jan 3-7,2016	National	Poster
10.	Fast Determination of microbial load in Urine	103 rd ISC-Indian Science Congress.	Poster	University of Mysore	Jan 3-7,2016	National	Poster

	samples.						
. 11.	Novel Kit for Rapid Detection of Microbial Load of Various Clinical Samples.	IISF-Indian International Science Festival	oral	Delhi	Dec 4-7, 2015	National	Oral
12	Fast Determination of microbial load in Urine sample.	IISF-Indian International Science Festival	Poster	Delhi	Dec 4-7, 2015	National	Poster
13.	Electromagnetic Radiation Shield (EMR).	IISF-Indian International Science Festival	Poster	Delhi	Dec 4-7, 2015	National	Poster

13. Conferences/ workshop/ seminars/Training Program etc organized. NIL

SNo	Name of the Seminar	International/	Date	No. of papers	No. of Participants	Source of
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		National/State/University/College level		presented	Nizam College	Other Institutions	funding/ Sponsoring Agency
* Please provide the proof of organization and sanction letter for funding							

14. Conferences/ workshop/ seminars/Training Program etc attended/participated.

15. Patents:

Total No. of Patents: 12 No. of Patents applied: 12 No. of Patents approved: 12

S.No	Month and Year	National/ International/ Commercialized	Country	Patent Information	Patent Filed/Published/Granted	Patent Applicaton no./Grant No.
1	10/11/2017	National	India	Biotechnological Hair Dye Preparation and method of Uses	Published	201641015825:09.05.2016
2.	13/04/2018	National	India	Biotechnological Hair Shampoo	Published	201641034480
3.	25/11/2016	National	India	Analytical Kit and Method For Rapid Detection of Microbial Load of Mouth	Published	2520/CHE/2015
5.	25/11/2016	National	India	Photocolorimeter for estimation of broad range substances	Published	2519/che/2015
6.	10/11/2017	National	India	Biotechnological underarm stick preparation and uses.	Published	201641015826

7.	13/04/2018	National	India	Biotechnological hand wash	Published	201641034484
8.	04-07-2005	National	India	Novel human basic fibroblast growth factor active site mutated at one or more positions for vitiligo treatment.	Published	NO 851/CHE/2005
9.	13/04/2018	National	India	Biotechnological Toilet cleaner	Published	201641034479
10.	24/11/2017	National	India	Novel mouth cleaners with positive charged magnetic nanoparticles	Published	201641017641
11.	30-08-2005	National	India	Anti cancer peptide drugs with novel activity and their biotechnological production. Indian	Published	1207/CHE/2005
12.	25/11/2016	National	India	Electromagnetic Radiation Shield	Published	2521/CHE/2015
* Please provide the copy of patent publication and Patent grant orders						

16. Research Projects: NOT APPLICABLE

Total No. Projects: 6 **Major: -** 5 **Minor: 1**

Title/Name of Project	Major /Minor	Funding Agency	Amount Granted (in Rs.	Amount Received (in Rs.	Duration	Date and Year	Status – Completed /Ongoing/
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			Lakhs)	Lakhs)			Sanctioned/ Submitted
Development of economical cellulase for bioethanol production	Minor	UGC	1.8Lacks	1.8Lacks	2008-10	2008	Completed
Bioethanol Production For Alternative Fuel From Selected Lignocellulosic Raw Materials Using Thermotolerant Yeasts.	Major	DST	37.44 Lacks	37.44 Lacks	2008-11	2008	Completed
Efficient utilization of Jatropha seed cake by detoxification and recovery of residual hydrocarbon	Major	TIFAC	54.41 Lacks	54.41 Lacks	2010-12	2010	Completed
Lignocellulose Saccharification and Direct Fermentation to Ethanol, by an Engineered Yeast Strain Codisplaying active Cellulalases/Domains	Major	DBT	56 lacks	56 lacks	2009-12	2009	Completed
Cloning, Overexpression and Characterization of Novel Analgesic Peptides In Suitable Host Organism	Major	DBT	13.7 Lacks	13.7 Lacks	2010-13	2010	Completed
"Protein Engineering and Yeast surface display of Pencillin	Major	DST-PURSE	47.5 Lacks	5.5 Lacks	2011-2015	2012	Completed

Acylases for syntheses of semi synthetic Pencilins”							
* Please provide the scanned copy of sanction letter/ grant received orders/project closure orders							

17. Consultancy Projects: NIL

Name of the Consultant	Name of the Consultancy Project		Consulting/Sponsoring Agency with Contact Details	Month and Year	Funds earned/ Revenue generated during last five years (in Rs.)*
* Audited statement of accounts indicating the revenue generated through consultancy					

18. Collaboration activities for research: NIL

Title of the collaborative activity	Name of the Collaborating agency with contact details	Source of financial support	Month and Year of collaboration	Duration	Nature of activity
* Audited statement of accounts indicating the revenue generated through consultancy					

19. Students Projects:

Total No.of Student Projects Guided: **NIL**

S.No	Name of the student	Course	Title of the Project	Duration of the Project	Month & Year of the Award

* please provide copy of certificate page or certificate from Head/Principal

20. Faculty visit abroad on academic purpose: NIL

Institution Visited & Period of Visit	Country	Sponsoring of agency	Activity undertaken	Month and Year of Visit
* please provide invitations/sanction letters/grant received letter				

21. Awards / distinction received if any NIL

Name of the award Received	International/ National/ State/University/District/College level	Nature of Award	Month & Year of the Award
Best Project Competition award for Novel and cheaper	Calorimeter Indian Science Congress at Department of Physics, University of Mumbai	Certificate	06.01.2015
Best Hall presentation award	IISF2, NPL New Delhi	Certificate	December 2016
Best Poster presentation award	IISF2, NPL New Delhi	Certificate	December 2016
NCSC best coordinator award ,	NCSTC,DST, Govt of India	Certificate	December 2016
Best Poster Award	National Symposium on "Perspectives of Genomics and Proteomics, OU	Certificate	2009
Best Poster Award	ICBF and BRIS" OU	Certificate	2009
* please provide copy of certificate			

22. International fellowship for advanced studies/research received if any Nil

Name of the award	Month and Year of Award	Awarding agency
* please provide copy of certificate		

23. Faculty Distinction/Nominations to University/State/National/International bodies. Nil

Membership / Distinction earned	Organization	University/State/ National/International Level	Month and Year
*please provide copy of offer letters/appointment orders			

24. Collaborative programs if any other University / Organization/ Industries

Name of Program	Nature of Collaboration	Collaborating organization and Country	Objectives of MOU	Month and Year
Collaborative work	Books joint authoring Guest lectures	Govt Degree College, Hussaini Alam, Hyd	Knowledge and Resources sharing	April 2017-18
Collaborative work	Books joint authoring Guest lectures	Govt Degree College, Hussaini Alam, Hyd	Knowledge and Resources sharing	April 2018-20
* please provide copy of MoU letter				

25. Innovation adopted in Teaching (If any, provide details.): DIGITAL LECTURES WITH LIVE EXAMPLES, More project works to students to enable to learn by doing.

26. Participation in Curriculum design/BOS etc. (copy of minutes of meeting) YES

27. List of ICT modules prepared (Please provide soft copies of modules, url link/videos): <https://www.youtube.com/watch?v=VnH9jL4ixF8>

28. Social outreach programs conducted (If any, proof as photographs, videos, certificate of appreciation, etc): **Worked as Telangana State Academic Coordinator for Nation Children Science Congress for two years. Conducted several science awareness programs across the state. Appreciated as best coordinator by NCSC. <https://www.youtube.com/watch?v=VnH9jL4ixF8>**
29. Life Members of any bodies (provide membership details): **ISCA (Indian Science Congress Association) L-12887**
Lime Member of Association of Microbiologists of India 1883-2005 , Life Member of Biotech Research Society Of India-LM 470
30. Extension activities and institutional social responsibility (If any, provide proof) **Worked as Telangana State Academic Coordinator for Nation Children Science Congress for two years. Conducted several science awareness programs across the state. Appreciated as best coordinator by NCSC. <https://www.youtube.com/watch?v=VnH9jL4ixF8>**
31. Contribution to environmental awareness and protection (If any, provide proof) NIL
32. Please provide the details if any MoUs/Linkages (If any, provide MoU letter): **Having MOU with Government Degree College Hussaini Alam, Hyderabad for Knowledge and recourses sharing. MOU is renewed in April 2018. Joint books authoring, guest lecture activities were carried out under MOU. Under MOU with Nandan Biomatrix collaborative research is carried out.**
33. Any another relevant information: reviewer for various international and national journals. **Working as editor to Inter Journal Medicine and Medical Sciences, Research in Pharmaceutical Biotechnology (RPB), Journal of Medicinal Plants Research, Journal of Food and African Journal of Biotechnology.**

SIGNATURE

